

## Nema 23 stepper motor

### Technique parameter

Item	Specification
Step Angle	1.8°
Step Angle Accuracy	±5% (full step,no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80°C Max.(rated current,2 phase on)
Ambient Temperature	-10°C~+50°C
Insulation Resistance	100MΩMin. 500VDC
Dielectric Strength	500VAC for one minute
Shaft Radial Play	0.06Max.(450 g-load)
Shaft Axial Play	0.08Max.(450 g-load)

### 57HS Motor Name List(High Torque)

Model No	Current/ Phase	Resistance /Phase	Inductance /Phase	Holding Torque		#Of Leads	Rotor Inertia	Weight	Length	
	A	Ω	mH	Oz-in	Kg-cm		g-cm <sup>2</sup>	Kg	mm	
57HS41-0404	0.40	35.5	52.0	76	5.5	4	120	0.47	41	Φ6.35*21
57HS41-0306	0.3	30	30	42	3	6	120	0.47	41	Φ6.3
57HS41-1004	1	5.4	9.5	76	5.5	4	120	0.47	41	Φ6.3
57HS41-1504	1.5	1.8	3.3	69	5	4	120	0.47	41	Φ6.3
57HS41-1006	1.00	5.7	5.4	54	3.9	6	120	0.47	41	Φ6.35*21
57HS41-2006	2.00	1.4	1.4	54	3.9	6	120	0.47	41	Φ6.35*21
57HS41-3004	3.00	0.8	0.6	76	5.5	4	120	0.47	41	Φ6.35*21
57HS51-0604	0.60	35.0	12.0	133	9.6	4	275	0.65	51	Φ6.35*21
57HS51-1006	1.00	6.6	8.2	100	7.2	6	275	0.65	51	Φ6.35*21
57HS51-2006	2.00	1.65	2.2	100	7.2	6	275	0.65	51	Φ6.35*21
57HS51-3004	3.00	2.4	0.8	100	7.2	4	275	0.65	51	Φ6.35*21
57HS56-0404	0.40	15.0	60.0	111	8.0	4	300	0.7	56	Φ6.35*21
57HS56-1006	1.00	7.4	10.0	125	9.0	6	300	0.7	56	Φ6.35*21
57HS56-1004	1	7.5	15	142	9.8	4	300	0.7	56	Φ6.3
57HS56-1504	1.5	2.8	8	125	9	4	300	0.7	56	Φ6.3
57HS56-2006	2.00	1.8	2.5	125	9.0	6	300	0.7	56	Φ6.35*21
57HS56-3004	3.00	1.2	0.8	125	9.0	4	300	0.7	56	Φ6.35*21
57HS64-1204	1.2	2.6	10	150	10.8	4	380	0.75	64	Φ6.35
57HS64-1508	1.5	3.5	5.5	164	11.8	8	380	0.75	64	Φ6.35
57HS64-2004	2	1	4	181	13	4	380	0.75	64	Φ6.35
57HS64-2506	2.5	1.3	2	167	12	6	380	0.75	64	Φ6.35
57HS76-0404	0.40	38.0	150.0	250	18.0	4	480	1.0	76	Φ6.35*21

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57HS76-1006	1.00	8.6	14.0	187	13.5	6	480	1.0	76	Φ6.35*21
57HS76-2006	2.00	2.25	3.6	187	13.5	6	480	1.0	76	Φ6.35*21
57HS76-3004	3.00	3.5	1.4	250	18.0	4	480	1.1	76	Φ6.35*21
57HS82-1004	1	10	44	306	22	4	520	1.3	82	Φ6.3
57HS82-2506	2.5	2.2	3.8	250	18	6	520	1.1	82	Φ6.3
57HS82-4506	4.5	0.7	1.2	250	18	6	520	1.1	82	Φ6.3
57HS82-4004	4.00	0.55	2.0	271	19.5	4	520	1.5	82	Φ6.35*21
57HS112-3004	3	2.4	10	444	32	4	700	1.8	112	Φ8*21
57HS112-1508	1.5	6.2	14	361	26	8	700	1.8	112	Φ8*21
57HS112-3504	3.5	0.7	3	361	26	4	700	1.8	112	Φ8*21
57HS112-4004	4.00	1.0	4.6	389	28.0	4	700	1.8	112	Φ8*21